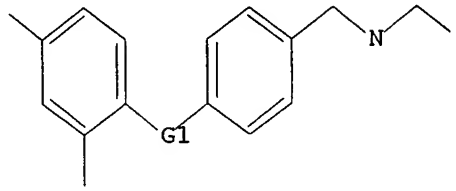
Structure search

L1 HAS NO ANSWERS
L1 STR



G1 O,S,N,F,CF2,CF3,SO2,CHO,NH,NO2

Structure attributes must be viewed using STN Express query preparation.

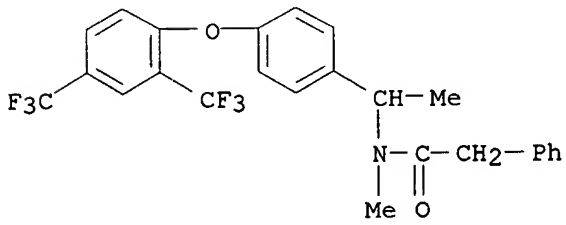
=> s l1 full
FULL SEARCH INITIATED 09:22:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1563 TO ITERATE

100.0% PROCESSED 1563 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.05

L2 3 SEA SSS FUL L1

=> d l2 1-3

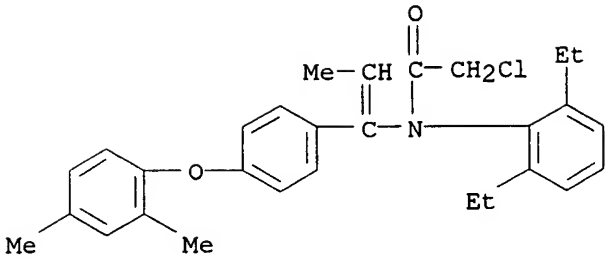
L2 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2002 ACS
RN 129475-33-8 REGISTRY
CN Benzeneacetamide, N-[1-[4-[2,4-bis(trifluoromethyl)phenoxy]phenyl]ethyl]-N-methyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C25 H21 F6 N O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

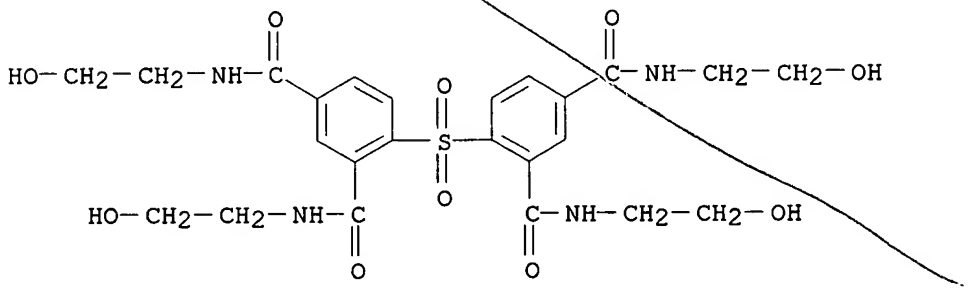
L2 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2002 ACS
RN 117542-61-7 REGISTRY
CN Acetamide, 2-chloro-N-(2,6-diethylphenyl)-N-[1-[4-(2,4-dimethylphenoxy)phenyl]-1-propenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C29 H32 Cl N O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2002 ACS
RN 22219-70-1 REGISTRY
CN Isophthalamide, 4,4'-sulfonylbis[N,N'-bis(2-hydroxyethyl)- (8CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H30 N4 O10 S



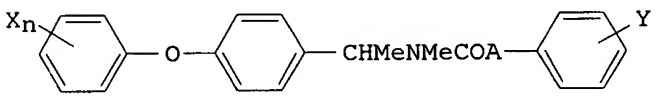
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1990:547269 CAPLUS
DOCUMENT NUMBER: 113:147269
TITLE: Preparation of N-(p-aryloxybenzyl) aralkylamides as insecticides and acaricides
INVENTOR(S): Oyama, Hiroshi; Masumizu, Tatsuya; Onoe, Shinji; Sato, Taisuke; Moriyama, Satoru
PATENT ASSIGNEE(S): Hokko Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02138159	A2	19900528	JP 1988-292348	19881121
JP 07103079	B4	19951108		

OTHER SOURCE(S): MARPAT 113:147269
GI

JP 2-138159



I

AB Insecticides and acaricides contain the title compds. I (A = lower alkylene or alkenylene; X = halo, lower haloalkyl; Y = H, halo, lower alkyl, lower haloalkyl, lower alkoxy; n = 1, 2] as active ingredients. Amination of 30.1 g .alpha.-methyl-p-(4-trifluoromethylphenoxy)benzyl chloride with 40% aq. MeNH in EtOH at 60.degree. for 3 h gave 31.7 g N-methyl-.alpha.-methyl-p-(4-trifluoromethylphenoxy)benzylamine, which (29.5 g) was treated with 15.5 g phenylacetyl chloride in Et3N-MePh at room temp. for 1 h to afford 38.8 g I (A = CH2, X = 4-CF3, Y = H, n = 1) (II). II at 50 ppm 100% controlled Nephotettix cincticeps, vs. 5% for malathion at 150 ppm. II 40, Sorpol 700H 20, and xylene 40 parts by wt. were mixed to give an emulsion.

=> E "117542-61-7"/BI 25

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E2	1	117542-60-6P/BI
E3	1 -->	117542-61-7/BI
E4	1	117542-61-7P/BI
E5	1	117542-62-8/BI
E6	1	117542-62-8P/BI
E7	1	117542-63-9/BI
E8	1	117542-63-9P/BI
E9	1	117542-64-0/BI
E10	1	117542-64-0P/BI
E11	1	117542-65-1/BI
E12	1	117542-65-1P/BI
E13	1	117542-66-2/BI
E14	1	117542-66-2P/BI
E15	1	117542-67-3/BI
E16	1	117542-67-3P/BI
E17	1	117542-68-4/BI
E18	1	117542-68-4P/BI
E19	1	117542-69-5/BI

E20	1	117542-69-5P/BI
E21	1	117542-70-8/BI
E22	1	117542-70-8P/BI
E23	1	117542-71-9/BI
E24	1	117542-71-9P/BI
E25	1	117542-72-0/BI

=> S E3 OR E4

	1	117542-61-7/BI
	1	117542-61-7P/BI
L4	1	117542-61-7/BI OR 117542-61-7P/BI

=> DIS L4 1 IBIB ABS

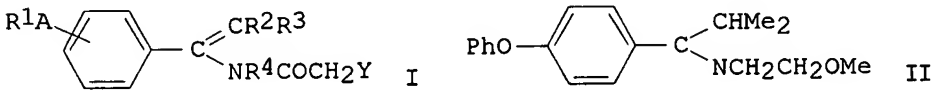
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1988:630567 CAPLUS
DOCUMENT NUMBER: 109:230567
TITLE: Preparation of N-benzylhaloacetamide derivatives as herbicides
INVENTOR(S): Kato, Shozo; Takematsu, Tetsuo; Okamoto, Hidenori; Ogasawara, Masaru
PATENT ASSIGNEE(S): Tokuyama Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

JP 63-115851

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63115851	A2	19880520	JP 1986-258479	19861031
JP 06023145	B4	19940330		

OTHER SOURCE(S): MARPAT 109:230567
GI



AB The title amides [I; R1 = (substituted) aryl; R2, R3 = H, alkyl; R4 = (substituted) alkyl, aryl, alkenyl, alkynyl; A = O, S, Y = Cl, Br, iodo] are prepd. A soln. of ClCH2COCl in DMF was slowly added to enamine II in DMF at room temp. with stirring and heated at 50.degree. to give 68% amide I (R1A = PhO at 4-position, R2 = R3 = Me, R4 = MeOCH2CH2, Y = Cl), which showed complete kill of barnyard grass at 200 g/10 are.

```
=> E KOZLOWSKI JOSEPH A/AU 25
E1            1     KOZLOWSKI JOLANTA/AU
E2            8     KOZLOWSKI JOSEPH/AU
E3           31 --> KOZLOWSKI JOSEPH A/AU
E4            1     KOZLOWSKI JOSEPH ANDREW/AU
E5            9     KOZLOWSKI JOSEPH J/AU
E6            1     KOZLOWSKI JOZEF/AU
E7            1     KOZLOWSKI JUNIOR VITOLDO ANTONIO/AU
E8           26     KOZLOWSKI K/AU
E9            4     KOZLOWSKI K A/AU
E10           1     KOZLOWSKI K J/AU
E11           1     KOZLOWSKI KAREN/AU
E12           5     KOZLOWSKI KAREN A/AU
E13           4     KOZLOWSKI KATHY/AU
E14         127     KOZLOWSKI KAZIMIERZ/AU
E15           3     KOZLOWSKI KAZIMIERZ H/AU
E16           1     KOZLOWSKI KENRYK/AU
E17           1     KOZLOWSKI KOSMA/AU
E18           8     KOZLOWSKI KRZYSZTOF/AU
E19          33     KOZLOWSKI L/AU
E20          24     KOZLOWSKI L J/AU
E21           1     KOZLOWSKI L M/AU
E22           2     KOZLOWSKI LECH/AU
E23           1     KOZLOWSKI LECHOSLAW/AU
E24           2     KOZLOWSKI LESTER/AU
E25          18     KOZLOWSKI LESTER J/AU

=> S (E2 OR E3 OR E4) AND (?INFLAMM?)
             8 "KOZLOWSKI JOSEPH"/AU
            31 "KOZLOWSKI JOSEPH A"/AU
             1 "KOZLOWSKI JOSEPH ANDREW"/AU
        164398 ?INFLAMM?
L1            1 ("KOZLOWSKI JOSEPH"/AU OR "KOZLOWSKI JOSEPH A"/AU OR "KOZLOWSKI
JOSEPH ANDREW"/AU) AND (?INFLAMM?)

=> S (E2 OR E3 OR E4) AND (CANNABI?)
             8 "KOZLOWSKI JOSEPH"/AU
            31 "KOZLOWSKI JOSEPH A"/AU
             1 "KOZLOWSKI JOSEPH ANDREW"/AU
          9074 CANNABI?
L2            1 ("KOZLOWSKI JOSEPH"/AU OR "KOZLOWSKI JOSEPH A"/AU OR "KOZLOWSKI
JOSEPH ANDREW"/AU) AND (CANNABI?)

=> DIS L2 1 IBIB ABS

L2   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         2002:615563  CAPLUS
DOCUMENT NUMBER:          137:169310
TITLE:                    Preparation of .alpha.-methylbenzylsulfonamides as
                          cannabinoid receptor ligands
INVENTOR(S):              Kozlowski, Joseph A.; Shih, Neng-Yang;
                          Lavey, Brian J.; Rizvi, Razia K.; Shankar, Bandarpalle
                          B.; Spitler, James M.; Tong, Ling; Wolin, Ronald;
                          Wong, Michael K.
PATENT ASSIGNEE(S):       Schering Corporation, USA
SOURCE:                   PCT Int. Appl., 134 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:
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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002062750	A1	20020815	WO 2002-US3672	20020207

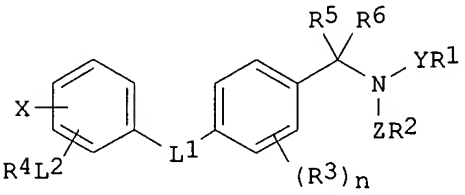
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UZ, VN, YU, ZA, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2001-267375P P 20010208
US 2001-292600P P 20010522

OTHER SOURCE(S): MARPAT 137:169310

GI



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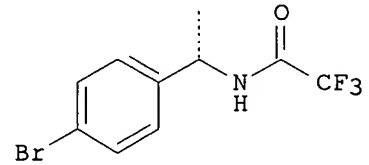

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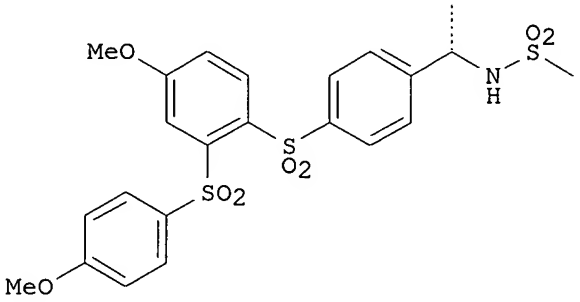


III

AB Title compds. [I; R1 = H, alkyl, haloalkyl, cycloalkyl, cycloalkylamino, aralkyl, heteroaryl, amino, (substituted) aryl, etc.; R2, R5, R6 = H, alkyl; R3 = H, alkyl, Cl, F, CF3, OCF2H, OCF3, OH, alkoxy; R4 = H, (substituted) alkyl, alkoxy, cycloalkyl, alkenyl, aryl, PhCH2, heteroaryl, arylamino, heteroarylamino, cycloalkylamino, etc.; L1 = alkylene, alkenylene, CO, C(R2)2, CHOR2, NOR5, SO2, SO, S, O, NR2, NR2CO, CHCF3, CF2; L2 = bond, alkylene, CO, C(R2)2, NR2, NR2SO2, CONR2, S, SO, SO2, NOR5, CR2OH, etc.; X = H, halo, CF3, cyano, OCF2H, OCF3, alkyl, cycloalkyl, cycloalkoxy, alkoxy, heteroalkyl, CO2R2, NHR2, arylamino, OSO2R2, etc.; Y, Z = bond, CH2, SO2, CO; R1YNZR2 = atoms to form a heterocycle; n = 0-4], were prepd. for treatment of cancer, inflammatory disease, immunomodulatory disease, or respiratory disease (no data). Thus, (S)-.alpha.-methylbenzylamine was stirred with (F3CCO)2O in CH2Cl2; the mixt. was then treated with MeSO3H and dibromodimethylhydantoin to give 32% intermediate (II). II in THF at -78.degree. was treated with MeLi and then with 4-MeOC6H4SO2Cl followed by warming to room temp. to give 65% di-Ph sulfone deriv. The latter in THF at -78.degree. was treated with BuLi then with bis(4-methoxyphenyl)disulfide to give crude disulfide coupling product, which was treated with MCPBA in CH2Cl2 to give 45% bissulfone. This was deprotected with LiOH in H2O/dioxane followed by treatment with MeSO2Cl to give title compd. (III).

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Uploading cannabinoid.str

L1 STRUCTURE UPLOADED

=> s l1 full
FULL SEARCH INITIATED 10:15:37 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 72 TO ITERATE

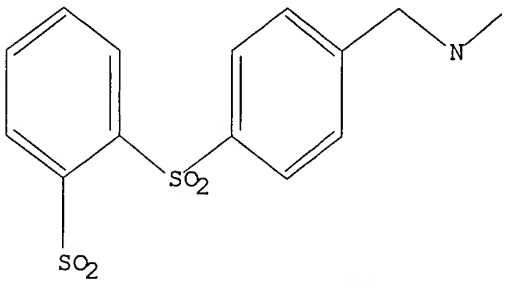
100.0% PROCESSED 72 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

=>
Uploading cannabinoid.str

L3 STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3 STR



G1 O,S,N,F,CF2,CF3,SO2,CHO,NH,NO2

Structure attributes must be viewed using STN Express query preparation.

=> s l3 full
FULL SEARCH INITIATED 10:16:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 176 TO ITERATE

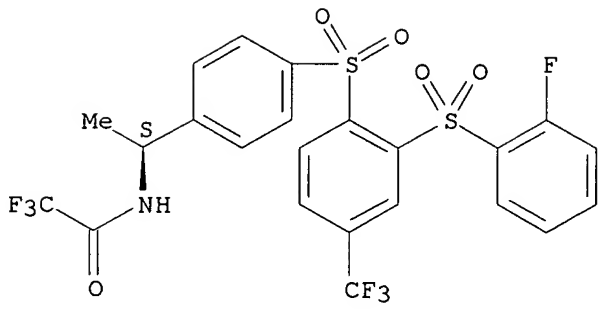
100.0% PROCESSED 176 ITERATIONS 11 ANSWERS
SEARCH TIME: 00.00.01

L4 11 SEA SSS FUL L3

=> d l4 1-11

L4 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 447460-51-7 REGISTRY
CN Acetamide, 2,2,2-trifluoro-N-[(1S)-1-[4-[[2-[(2-fluorophenyl)sulfonyl]-4-(trifluoromethyl)phenyl]sulfonyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H16 F7 N O5 S2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

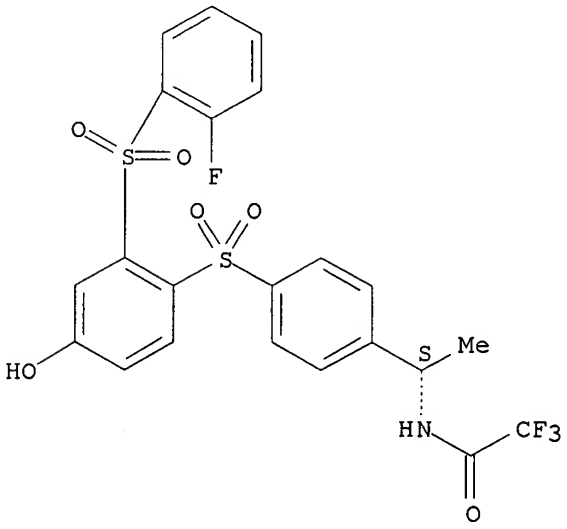


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 2 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 447460-46-0 REGISTRY
CN Acetamide, 2,2,2-trifluoro-N-[(1S)-1-[4-[[2-[(2-fluorophenyl)sulfonyl]-4-hydroxyphenyl]sulfonyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H17 F4 N O6 S2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



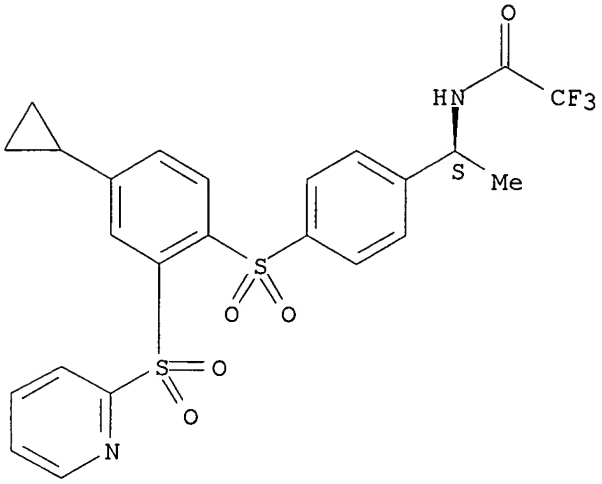
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 3 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 447460-37-9 REGISTRY
CN Acetamide, N-[(1S)-1-[4-[[4-cyclopropyl-2-(2-pyridinylsulfonyl)phenyl]sulfonyl]phenyl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

FS STEREOSEARCH
MF C24 H21 F3 N2 O5 S2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 4 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 447460-28-8 REGISTRY
CN Acetamide, N-[(1S)-1-[4-[[2-[(4-chlorophenyl)sulfonyl]-4-methoxyphenyl]sulfonyl]phenyl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
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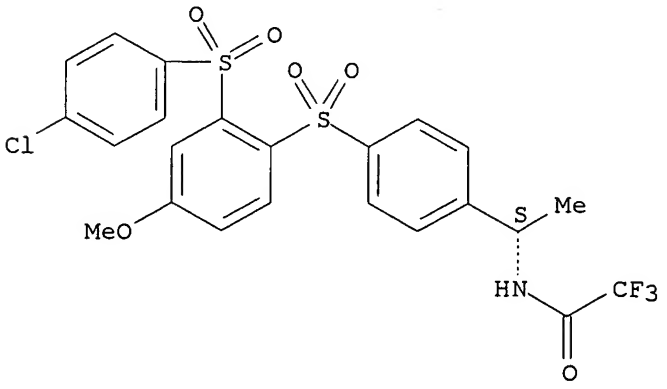
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

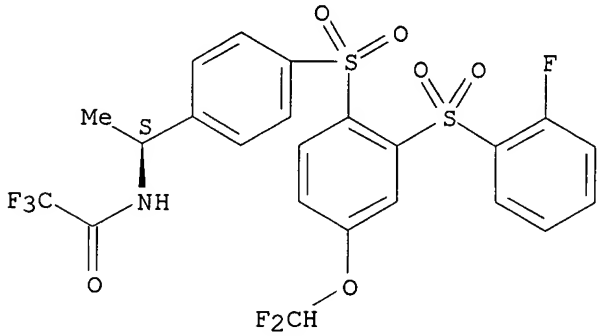


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 5 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 447460-09-5 REGISTRY
CN Acetamide, N-[(1S)-1-[4-[[4-(difluoromethoxy)-2-[(2-fluorophenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H17 F6 N O6 S2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

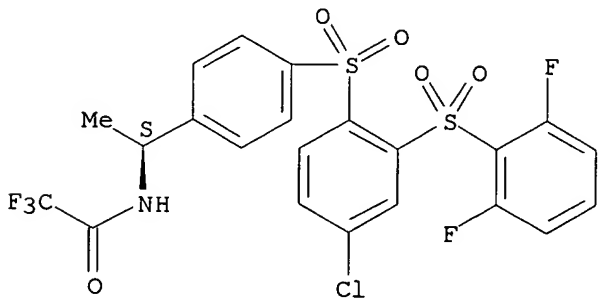


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 6 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 447460-04-0 REGISTRY
CN Acetamide, N-[(1S)-1-[4-[[4-chloro-2-[(2,6-difluorophenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H15 Cl F5 N O5 S2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 7 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 447460-01-7 REGISTRY
CN Acetamide, N-[(1S)-1-[4-[[4-chloro-2-[(2-fluorophenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)
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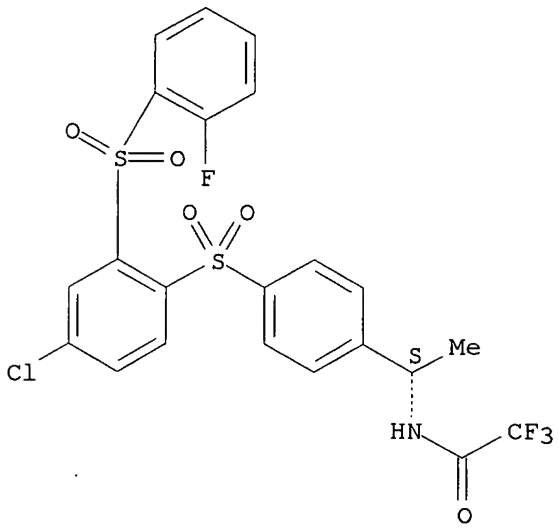
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

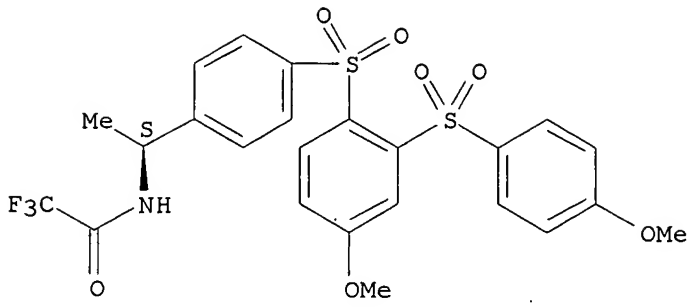


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 447459-98-5 REGISTRY
CN Acetamide, 2,2,2-trifluoro-N-[(1S)-1-[4-[[4-methoxy-2-[(4-methoxyphenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H22 F3 N O7 S2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

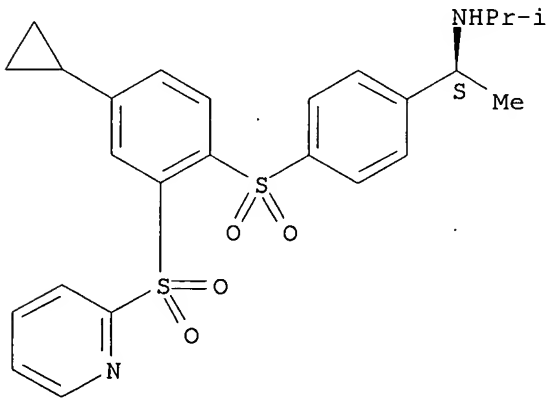


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 447459-92-9 REGISTRY
CN Benzenemethanamine, 4-[[4-cyclopropyl-2-(2-pyridinylsulfonyl)phenyl]sulfonyl]-.alpha.-methyl-N-(1-methylethyl)-, (.alpha.S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C25 H28 N2 O4 S2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

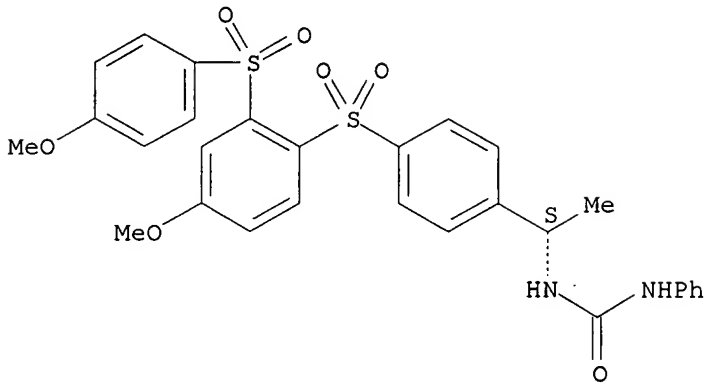


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 447459-53-2 REGISTRY
CN Urea, N-[(1S)-1-[4-[[4-methoxy-2-[(4-methoxyphenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]-N'-phenyl- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H28 N2 O7 S2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

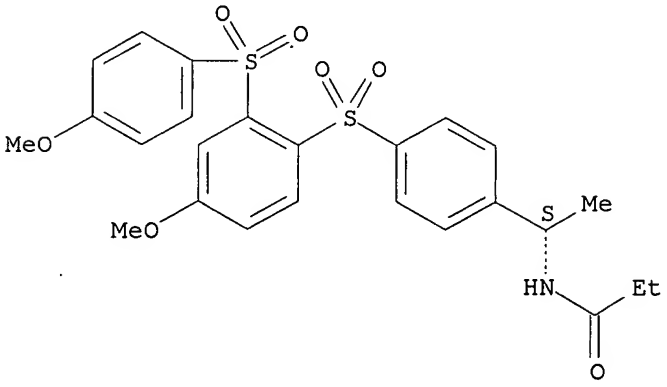


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 447459-52-1 REGISTRY
CN Propanamide, N-[(1S)-1-[4-[[4-methoxy-2-[(4-methoxyphenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C25 H27 N O7 S2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	315.18	315.39

FILE 'CAPLUS' ENTERED AT 10:17:08 ON 08 JAN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 8 Jan 2003 VOL 138 ISS 2
FILE LAST UPDATED: 7 Jan 2003 (20030107/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l4
L5 1 L4

=> d l5 ibib abs

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:615563 CAPLUS
DOCUMENT NUMBER: 137:169310
TITLE: Preparation of .alpha.-methylbenzylsulfonamides as cannabinoid receptor ligands
INVENTOR(S): Kozlowski, Joseph A.; Shih, Neng-Yang; Lavey, Brian J.; Rizvi, Razia K.; Shankar, Bandarpalle B.; Spitler, James M.; Tong, Ling; Wolin, Ronald; Wong, Michael K.
PATENT ASSIGNEE(S): Schering Corporation, USA
SOURCE: PCT Int. Appl., 134 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002062750	A1	20020815	WO 2002-US3672	20020207

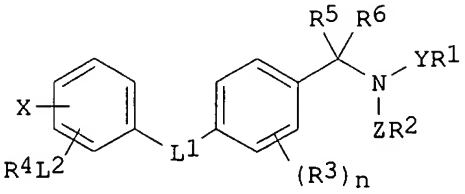
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UZ, VN, YU, ZA, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2001-267375P P 20010208
US 2001-292600P P 20010522

OTHER SOURCE(S): MARPAT 137:169310

GI



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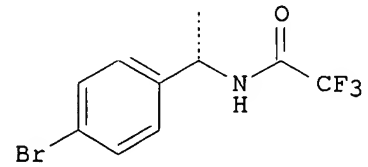

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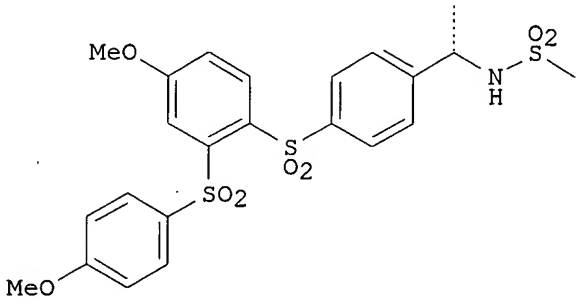
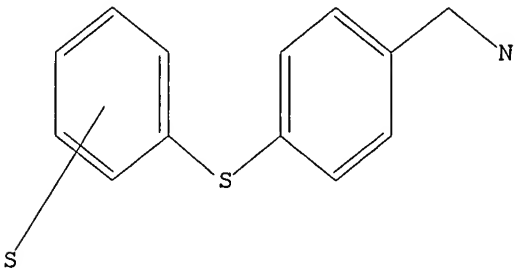


III

ploading cannabinoid.str

L3 STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3 STR



G1 O,S,N,F,CF2,CF3,SO2,CHO,NH,NO2

Structure attributes must be viewed using STN Express query preparation.

=> s l3 full
FULL SEARCH INITIATED 17:16:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 6426 TO ITERATE

100.0% PROCESSED 6426 ITERATIONS 124 ANSWERS
SEARCH TIME: 00.00.01

L4 124 SEA SSS FUL L3

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	305.50	305.71

FILE 'CAPLUS' ENTERED AT 17:16:12 ON 09 JAN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 9 Jan 2003 VOL 138 ISS 2
FILE LAST UPDATED: 8 Jan 2003 (20030108/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please

check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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=> s l4
L5          28 L4

=>

Uploading cannabinoid.str

L6      STRUCTURE UPLOADED

=> d
L6 HAS NO ANSWERS
L6              STR
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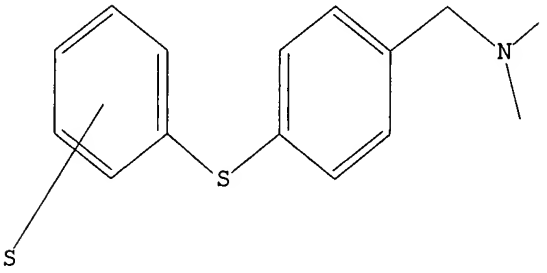

G1 O,S,N,F,CF2,CF3,SO2,CHO,NH,NO2

Structure attributes must be viewed using STN Express query preparation.

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=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       1.67     307.38

FILE 'REGISTRY' ENTERED AT 17:18:38 ON 09 JAN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    8 JAN 2003  HIGHEST RN 478480-50-1
DICTIONARY FILE UPDATES:   8 JAN 2003  HIGHEST RN 478480-50-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf
```
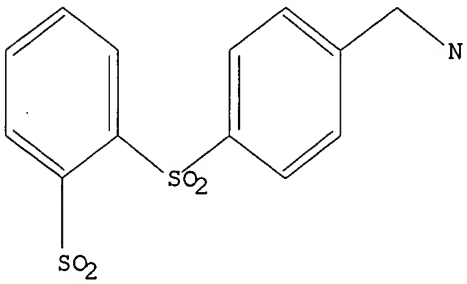

```
=> s l6 full
FULL SEARCH INITIATED 17:18:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     511 TO ITERATE

100.0% PROCESSED     511 ITERATIONS                                 11 ANSWERS
SEARCH TIME: 00.00.01

L7            11 SEA SSS FUL L6
```

Uploading cannabinoid.str

L6 STRUCTURE UPLOADED

=> s
ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):end
SEARCH ENDED BY USER

=> d
L6 HAS NO ANSWERS
L6 STR



G1 O,S,N,F,CF2,CF3,SO2,CHO,NH,NO2

Structure attributes must be viewed using STN Express query preparation.

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.08	319.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-0.65

FILE 'REGISTRY' ENTERED AT 10:19:48 ON 08 JAN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JAN 2003 HIGHEST RN 478336-86-6
DICTIONARY FILE UPDATES: 7 JAN 2003 HIGHEST RN 478336-86-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> s l6 full
FULL SEARCH INITIATED 10:19:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 672 TO ITERATE

100.0% PROCESSED 672 ITERATIONS 49 ANSWERS
SEARCH TIME: 00.00.03

L7 49 SEA SSS FUL L6

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	148.15	467.62

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.65

FILE 'CAPLUS' ENTERED AT 10:20:00 ON 08 JAN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 8 Jan 2003 VOL 138 ISS 2
FILE LAST UPDATED: 7 Jan 2003 (20030107/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l7 full
L8 1 L7

=> d l8 ibib abs

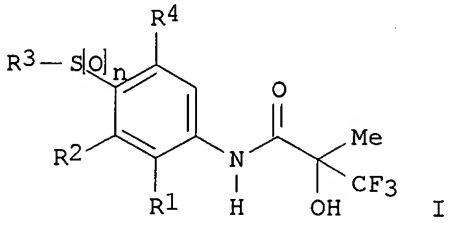
L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:615563 CAPLUS
DOCUMENT NUMBER: 137:169310
TITLE: Preparation of .alpha.-methylbenzylsulfonamides as cannabinoid receptor ligands
INVENTOR(S): Kozlowski, Joseph A.; Shih, Neng-Yang; Lavey, Brian J.; Rizvi, Razia K.; Shankar, Bandarpalle B.; Spitler, James M.; Tong, Ling; Wolin, Ronald; Wong, Michael K.
PATENT ASSIGNEE(S): Schering Corporation, USA
SOURCE: PCT Int. Appl., 134 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:185715 CAPLUS
DOCUMENT NUMBER: 134:237309
TITLE: Preparation of substituted N-phenyl 2-hydroxy-2-methyl-3,3,3-trifluoropropanamides which elevate pyruvate dehydrogenase activity
INVENTOR(S): Butlin, Roger John; Pease, Janet Elizabeth; Block, Michael Howard; Nowak, Thorsten; Burrows, Jeremy Nicholas
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Limited
SOURCE: PCT Int. Appl., 105 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001017956	A1	20010315	WO 2000-GB3314	20000830
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000013694	A	20020521	BR 2000-13694	20000830
EP 1214296	A1	20020619	EP 2000-956672	20000830
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
NO 2002001040	A	20020502	NO 2002-1040	20020301

PRIORITY APPLN. INFO.: GB 1999-20814 A 19990904
GB 2000-6641 A 20000321
WO 2000-GB3314 W 20000830

OTHER SOURCE(S): MARPAT 134:237309
GI



I

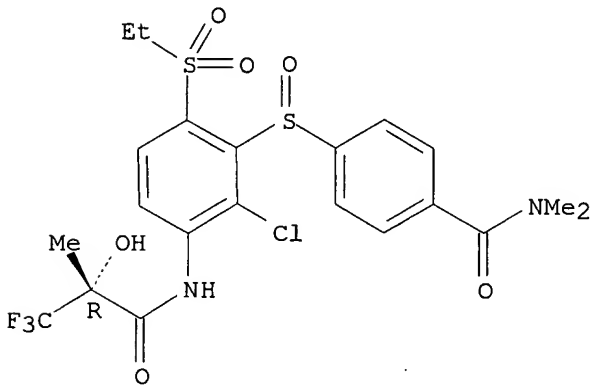
AB The title compds. [I; n = 1-2; R1 = Cl, F, Br, Me, MeO; R2 = halo, NO2, OH, etc.; R3 = (un)substituted alkyl,cycloalkyl, Ph, etc.; R4 = H, F], useful in the prodn. of an elevation of PDH activity (no data), were prepd. and formulated. E.g., a multi-step synthesis of (R)-I [n = 1; R1, R2 = Cl; R3 = Et; R4 = H] was given. The compds. I are effective at 1-50 mg/kg/day.

IT **329926-07-0P 329926-12-7P 329926-13-8P**

329926-14-9P 329926-43-4P 329926-44-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of substituted N-Ph 2-hydroxy-2-methyl-3,3,3-trifluoropropanamides which elevate pyruvate dehydrogenase activity)

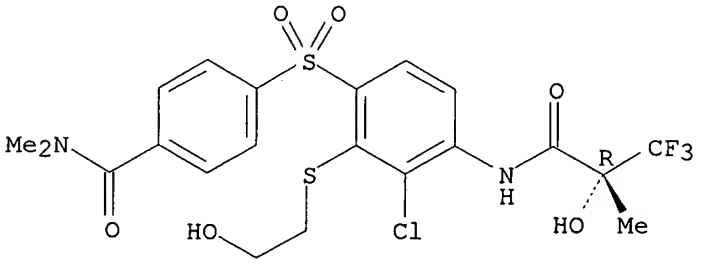
RN 329926-07-0 CAPLUS
CN Benzamide, 4-[[2-chloro-6-(ethylsulfonyl)-3-[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]sulfinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



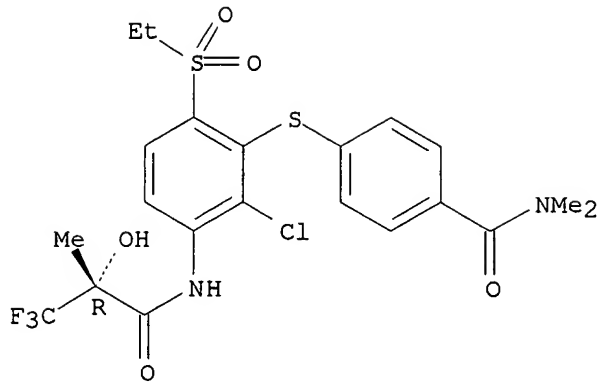
RN 329926-12-7 CAPLUS
CN Benzamide, 4-[[3-chloro-2-[(2-hydroxyethyl)thio]-4-[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



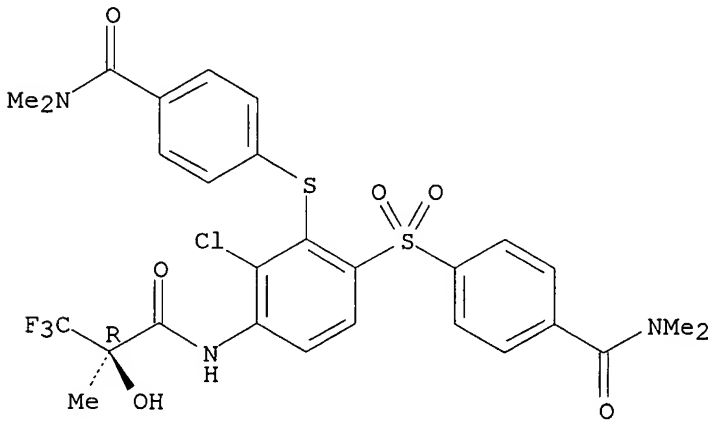
RN 329926-13-8 CAPLUS
CN Benzamide, 4-[[2-chloro-6-(ethylsulfonyl)-3-[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]thio]-N,N-dimethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



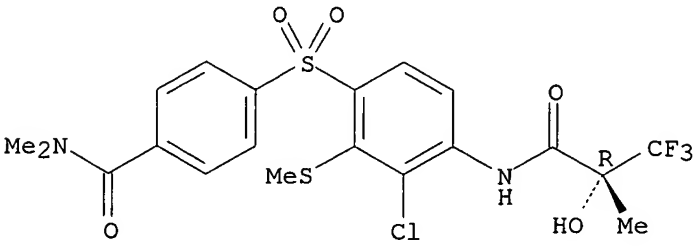
RN 329926-14-9 CAPLUS
CN Benzamide, 4-[[2-chloro-6-[[4-[(dimethylamino)carbonyl]phenyl]sulfonyl]-3-[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]thio]-N,N-dimethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



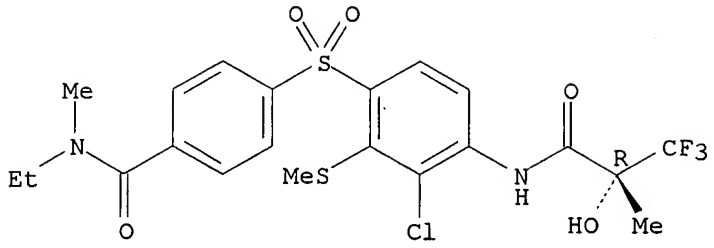
RN 329926-43-4 CAPLUS
CN Benzamide, 4-[[3-chloro-2-(methylthio)-4-[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



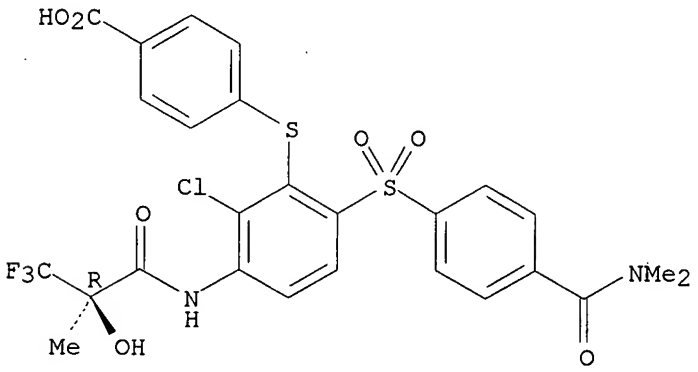
RN 329926-44-5 CAPLUS
CN Benzamide, 4-[[3-chloro-2-(methylthio)-4-[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]sulfonyl]-N-ethyl-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **329927-04-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of substituted N-Ph 2-hydroxy-2-methyl-3,3,3-trifluoropropanamides which elevate pyruvate dehydrogenase activity)
RN 329927-04-0 CAPLUS
CN Benzoic acid, 4-[[2-chloro-6-[[4-[(dimethylamino)carbonyl]phenyl]sulfonyl]-3-[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]thio]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1993:102748 CAPLUS
DOCUMENT NUMBER: 118:102748
TITLE: Synthesis and characterization of polyamides containing arylene sulfide-sulfone groups
AUTHOR(S): Joseph, K. Abraham; Srinivasan, M.
CORPORATE SOURCE: Dep. Chem., Indian Inst. Technol., Madras, 600 036, India
SOURCE: Polymer International (1993), 30(3), 327-35
CODEN: PLYIEI; ISSN: 0959-8103
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The title polyamides were prepd. from bis(4-phenylthio)dibenzoyl chloride (I) or 4,4'-[sulfonylbis(4-phenylthio)]dibenzoyl chloride (II) and arom. diamines both by soln. and interfacial polymn. techniques. In the soln. polymn. the effect of 2 different acid acceptors, LiCl and Et3N, on inherent viscosity of the polyamides was studied. The effect of arom. sulfone ether diamines and conventional arom. diamines on viscosity and

thermal properties of polyamides was also investigated. The polyamides were characterized by IR, 1H NMR, elemental anal., soln. viscosity, thermogravimetry, DSC, and x-ray diffraction. Thermal and phys. properties of polyamides prepd. from I and II were compared.

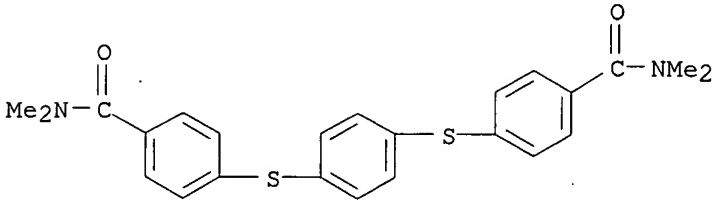
IT **145874-63-1P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and hydrolysis of)

RN 145874-63-1 CAPLUS

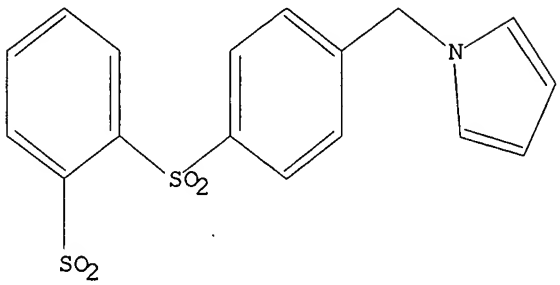
CN Benzamide, 4,4'-[1,4-phenylenebis(thio)]bis[N,N-dimethyl- (9CI) (CA INDEX NAME)



Uploading cannabinoid.str

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G1 O,S,N,F,CF2,CF3,SO2,CHO,NH,NO2

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full
FULL SEARCH INITIATED 10:55:48 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 169 TO ITERATE

100.0% PROCESSED 169 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

=>